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U.S. PTO
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PTO/SB/05 (01-04)

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|---------------------------|
| Attorney Docket No. | 02453.0033.NPUS00 |
| First Inventor | David K. Parker |
| Title | DATA STRUCTURES FOR SUPPO |
| Express Mail Label No. | EL 560495395US |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 53]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 54]
5. Oath or Declaration [Total Sheets 6]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: Transmittal Ltr/Preliminary Amendme.....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner _____ Art Unit: _____
 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
 The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

 Customer Number: 27240 OR Correspondence address below

| | | | |
|---------|-----------|----------------|-----|
| Name | | | |
| Address | | | |
| City | State | Zip Code | |
| Country | Telephone | (949) 759-5269 | Fax |

| | | | |
|-------------------|---------------------|-----------------------------------|--------|
| Name (Print/Type) | Robert C. Laurenson | Registration No. (Attorney/Agent) | 34,206 |
| Signature | 30 | | |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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HOWREY SIMON ARNOLD & WHITE, LLP
301 Ravenswood Avenue, Box 34
Menlo Park, CA 94025
Facsimile (650) 463-8400
Telephone (949) 759-5269

Box Patent Application

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of DAVID K. PARKER, ERIK R. SWENSON, MICHAEL YIP and CHRISTOPHER J. YOUNG, titled "DATA STRUCTURES FOR SUPPORTING PACKET DATA MODIFICATION OPERATIONS".

The following documents are enclosed for appropriate action:

1. Utility Patent Application Transmittal
2. Fee Transmittal
3. Patent Application – 53 pages
4. Drawings – 54 pages (Figs. 1-52)
5. Preliminary Amendment
6. Combined Declaration and Power of Attorney
7. Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
8. Return Postcard

| | (Col. 1) | (Col. 2) |
|---|-----------|-----------|
| FOR | NO. FILED | NO. EXTRA |
| BASIC FEE | | |
| TOTAL CLAIMS | 23-20= | 3 |
| INDEP. CLAIMS | 3 -3 = | 0 |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED | | |

*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

| SMALL ENTITY | | OTHER THAN A SMALL ENTITY | |
|--------------|----------|---------------------------|-----------|
| RATE | FEES | RATE | FEES |
| | \$385.00 | | \$ 770.00 |
| x 9 = | 0.00 | x 18 = | 54.00 |
| x 43 = | 0.00 | x 86= | .00 |
| + 145 = | 0.00 | + 290 = | 0.00 |
| TOTAL | \$0.00 | TOTAL | \$824.00 |

CERTIFICATE OF MAILING
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached hereto) is being deposited with the United States Postal Service (USPS) on the date shown below using the "Express Mail Post Office to Addressee" service of the USPS (Express Mail No. EL560495395US) in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 30, 2004
Date of Deposit

Robin L. Clow
Name of Person Mailing Paper

A. Clow
Signature of Person Mailing Paper

Howrey Docket No. 02453.0033.NPUS00
Express Mail No. EL 560495395US

Authorization to charge Howrey Deposit Account No. 08-3038 for the requisite fees associated with the filing of this application is provided in the papers accompanying this application. However, if there are any fees required for the filing of this application that are unaccounted for, the Commissioner is authorized to charge the same to Howrey Deposit Account No. 08-3038 referencing Howrey Dkt. No. 02453.0033.NPUS00.

HOWREY SIMON ARNOLD & WHITE, LLP



Robert C. Laurenson, Reg. No. 34,206

Date: March 30, 2004

**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

| | |
|----------------------|--|
| First Named Inventor | David K. Parker |
| Title | DATA STRUCTURES FOR SUPPORTING PACKET DATA MODIFICATION OPERATIONS |
| Atty. Docket Number | 02453.0033.NPUS00 |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

March 30, 2004
Date


Signature

Robert C. Laurenson, Reg. No. 34,206
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing with forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**